ASSIGNED

No. 48675

APPLICATION FOR PERMIT
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office JAN 3 1985

Returned to applicant for correction

Corrected application filed

Map filed DEC 10 1984 under 48562

The applicant Munson Geothermal, Inc.

162 Hubbard Way (Street and No. or P.O. Box No.), of Reno (City or Town),

Nevada 89502 (State and Zip Code No.), hereby make application for permission to appropriate the public waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.) December 20, 1981 Deleware

1. The source of the proposed appropriation is Underground (Munson Geothermal No. 1)
   Name of stream, lake, spring, underground or other source

2. The amount of water applied for is 5.0 CFS second-feet
   One second-foot equals 448.83 gals. per min.

   (a) If stored in reservoir give number of acre-feet

3. The water to be used for Industrial and domestic (Geothermal power)
   Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.

4. If use is for:

   (a) Irrigation, state number of acres to be irrigated

   (b) Stockwater, state number and kinds of animals to be watered

   (c) Other use (describe fully under "No. 12. Remarks"

   (d) Power:

      (1) Horsepower developed

      (2) Point of return of water to stream

5. The water is to be diverted from its source at the following point within the SW¼SE¼ Section 1, T22N,
   Describe as being within a 40-acre subdivision of public survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.
   R26E, MDB&M or at a point from which the South ¼ corner of said Section 1 bears S60°15'W 1500 feet.

6. Place of use the SE¼ Section 1, T22N, R26E, MDB&M
   Describe by legal subdivision. If on unsurveyed land, it should be so stated.

7. Use will begin about January 1 (Month and Day) and end about December 31 (Month and Day), of each year.

8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) Install deep well pump into an existing well and connect to geothermal power plant.
   State manner in which water is to be diverted, i.e. diversion structure, ditches and flumes, drilled well with pump and motor, etc.

9. Estimated cost of works $250,000

10. Estimated time required to construct works: Three years
If well completed, describe works.

11. Estimated time required to complete the application of water to beneficial use: Seven years

12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

Water will not be reinjected. Applications for secondary use will be filed after quality testing to determine the highest and best use. Note that the point of diversion is the same as Permit 29513 (SP Brady No. 1) which has been drilled and tested. Map to support the application is filed under Cancelled Applications 48562, 48563.

By s/Thomas A. Foote
Thomas A. Foote, Agent
160 Hubbard Way, #2
Reno, Nevada 89502

Compared yw/ se js/bc

Protested

APPROVAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This permit is issued subject to existing rights. It is understood that the amount of geothermal fluid herein granted is only a temporary allowance and that the final right obtained under this permit will be dependent upon the amount actually placed to beneficial use. It is also understood that this right must allow for a reasonable decrease of fluid pressure and heat. The well shall be equipped and maintained to prevent any waste of the geothermal fluid. Accurate measurements must be kept of discharge of the production and the amount of fluid injected into the injection well to determine the total amount of fluid consumed for a beneficial use.

The production and injection well are to be cemented from the producing levels to the surface to protect fresh water zones. This permit is issued subject to the condition that only geothermal fluids are to be diverted and used beneficially for heating purposes and fresh, cold water aquifers are not to be diverted. The used geothermal fluids are to be returned to the source via the injection well. The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies. A detailed log on the injection well and/or other analyses of the system used for returning the used geothermal to the source must be submitted together with the Proof of Completion.

(CONTINUED ON PAGE 2)

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed 5.0 cubic feet per second.

Work must be prosecuted with reasonable diligence and be completed on or before November 20, 1987

Proof of completion of work shall be filed on or before December 20, 1987

Application of water to beneficial use shall be made on or before November 20, 1992

Proof of the application of water to beneficial use shall be filed on or before December 20, 1992

Map in support of proof of beneficial use shall be filed on or before

Completion of work filed

Proof of beneficial use filed

Cultural map filed

Certificate No. Issued

IN TESTIMONY WHEREOF, I PETER G. MORROS State Engineer of Nevada, have hereunto set my hand and the seal of my office, this 20th day of November, A.D. 19 85

State Engineer

218 (Rev.)

57783T 0.167 exp 6-27-93
56053T 1.0 cfs 8-12-92

Abrogated By 56048T 1.6 cfs 9-8-92
56724T 1.0 cfs 9-22-92
56725T 1.0 cfs 10-6-92

Abrogated By 57239 5.0 cfs cert 9/17/99

(PERMIT TERMS CONTINUED)

An annual report for this well must be filed under this permit describing the amount of geothermal fluid consumed to a beneficial use for the calendar year. This report must also detail the amount of fluid produced and injected.

The total withdrawal of the geothermal fluid shall be limited to 3620 acre-feet per year but the total consumptive use of the geothermal fluid is limited to only incidental fluid losses in the system and in no case shall it amount to more than 25% of the volume withdrawn annually. The State Engineer does not waive the right to make a determination of incidental fluid losses at any time and impose additional conditions thereto.